

Los Angeles County Municipal Storm Water Permit (Order 01-182)
Individual Annual Report Form
Attachment U-4

This form summarizes the requirements in Order No. 01-182. Each Permittee must complete this form in its entirety, except for those requirements applicable only to the Principal Permittee. Only report activities that were performed during the previous fiscal year. Upon completion, this form shall be submitted to the Principal Permittee, by the date specified by the Principal Permittee, for inclusion in the unified Annual Storm Water Program Report. Attachments should be included where necessary to provide sufficient information on program implementation.

The goals of this Report are to: 1) concisely document implementation of the Storm Water Quality Management Program (SQMP) during the past fiscal year; 2) evaluate program results for continuous improvement; 3) to determine compliance with Order 01-182; and 4) to share this information with other Permittees, municipal decision makers, and the public.

!	YOU MUST FILL OUT ALL THE INFORMATION REQUESTED <i>Do not leave any of the sections blank.</i>
N/A	If the question does not apply to your municipality, please indicate N/A in the space provided and provide a brief explanation
U	If the information requested is currently unavailable, please indicate U in the space provided and give a brief explanation.

This Report Form consists of the following sections:

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Reporting Year 2011 - 2012

I. Program Management

A. Permittee Name: LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

B. Permittee Program Supervisor: Frank Wu

Title: Senior Civil Engineer

Address: 900 South Fremont Avenue

City: Alhambra

Zip Code: 91803

Phone: (626) 458-4358

Fax: (626) 458-3534

C. In the space below, briefly describe how the storm water program is coordinated within your agency's departments and divisions. Include a description of any problems with coordination between departments. To facilitate this, complete the Table 1.

The Watershed Management Division (WMD) of the Los Angeles County Department of Public Works (LACDPW) coordinates the implementation of the programs mandated by the Municipal Stormwater Permit throughout the Los Angeles County Flood Control District (LACFCD) service area. WMD also represents the LACFCD in carrying out the duties of the Principal Permittee. Each Division within the LACDPW designates a representative to communicate with WMD to ensure full program implementation.

TABLE 1 - Program Management

Storm Water Management Activity	Division/Department	# of Individuals Responsible for Implementing
1. Outreach & Education	LACDPW Flood Maintenance and Survey/Mapping Divisions and Public Relations Group	11
2. Industrial/Commercial Inspections	N/A	N/A
3. Construction Permits/Inspections	N/A	N/A
4. IC/ID Inspections	LACDPW Flood Maintenance and Land Development Divisions	34
5. Street sweeping	N/A	N/A
6. Catch Basin Cleaning	LACDPW Flood Maintenance Division	6 + contractors
7. Spill Response	LACDPW Flood Maintenance and Information Technology Divisions	28.5 + contractors
8. Development Planning (project/SUSMP review and approval)	N/A	N/A
9. Trash Collection	N/A	N/A

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D. Staff and Training

Attach a summary of staff training over the last fiscal year. This shall include the staff name, department, type of training, and date of training.

See Attachment I-D1

E. Budget Summary

1. Does your municipality have a storm water utility? Yes ☐ No ☒
If no, describe the funding source(s) used to implement the requirements of Order No. 01-182.

The LACFCD's Stormwater Program is funded by Flood Control Benefit Assessment.

All cities and County unincorporated areas face critical water quality challenges whose solution will severely strain existing revenue sources. To meet these challenges, a Flood Control District-wide Clean Water, Clean Beaches fee is being explored at the direction of the LACFCD's Board of Supervisors, which if approved by voters, would implement an annual property-based fee to pay for local and regional projects and programs to help prevent pollution from stormwater and urban runoff, clean up pollution that flows into our local and major waterways, and remove contamination from stormwater that enters the ground water supply, which is an important source of drinking water.

2. Are the existing financial resources sufficient to accomplish all required activities? Yes ☒ No ☐
3. Complete Table 2 to the extent that accurate information is available (indicate U in the spaces where the information is unavailable), and report any supplemental dedicated budgets for the same categories on the lines below the table.
4. List any additional state/federally funded projects related to storm water.

- Tujunga Wash Greenway and Stream Restoration Phase II. The project consists of a naturalized stream with native habitat along a 3/4-mile reach of the wash from Vanowen Street to Sherman Way in the City of Los Angeles. The restoration mimics a small tributary in this region by diverting urban runoff through a naturalized stream course along the bank of the Tujunga Wash. The project provides water quality enhancements, ground water recharge, native and riparian vegetation, pedestrian paths, and educational signage. The U.S. Army Corps of Engineers (USACE) financed \$4.8 million through Stimulus funding while the LACFCD financed the remaining \$2.1 million. Construction of the project was completed in July 2012.**

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- **Arroyo Seco Feasibility Study** is being conducted by the USACE at the request of the LACFCD. The study will lay the framework for future restoration efforts that would focus on restoration of the natural hydrologic functioning of the watershed, management of water resources and water quality improvement, habitat restoration, and improved recreational opportunities and open space. The total project cost is \$2.4 million over the duration of the study, with 50% funded by local sources and 50% funded by Federal appropriations. The Baseline Conditions phase of the study has been completed and the Feasibility Scoping Meeting was held in September 2011. The Alternatives Analysis Phase is progressing with funding received from the local share in Fiscal Year 11-12. The study may be subject to the nationwide changes in the USACE's study process that may help to streamline the completion of the study.
- **The Sun Valley Feasibility Study** focuses on a highly urban watershed tributary to the Los Angeles River located approximately 14 miles northwest of downtown Los Angeles. The community in the watershed has experienced severe, chronic flooding for well over 40 years. The area also suffers from poor water quality and a lack of recreational opportunities, aesthetics, and wildlife habitat. The USACE is conducting the Study with the LACFCD being the lead local sponsor. The study will focus on environmental restoration, water quality improvement, flood mitigation, and other related issues within the watershed. The total project cost is approximately \$2.5 million over 3 years, with 50% of the funding coming from local sources and 50% from the federal level. Federal funding limitations have extended the duration for completion of the Study. The Corps of Engineers has a completed draft of the Baseline Conditions phase of the Study and it is currently being reviewed for approval. Upon approval, the Corps of Engineers will proceed the Alternative Analysis phase of the Study. The Study may be subject to the nationwide changes in the USACE's study process that may help to streamline the completion of the Study.
- **Water Augmentation Study (WAS).** The LACFCD continued to be an active partner in the WAS, a project managed by the LA/SG Rivers Watershed Council with major funding provided by the U.S. Bureau of Reclamation, City of Los Angeles, and the Metropolitan Water District . Since 2000, the project has studied the safety and feasibility of stormwater infiltration for both surface water quality and water supply improvement. Following two successful earlier phases of the project, a demonstration green street with an infiltration gallery was constructed on Elmer Avenue in the under-served community of Sun Valley and was monitored. The LACFCD loaned a field crew and camera robot to the Watershed Council to scope the Elmer Ave infiltration gallery in June 2012. The LACFCD continued to participate on the WAS Technical Advisory Committee, which met quarterly.

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TABLE 2

Program Element	Expenditures in Fiscal Year 2011-12
1. Program management a. Administrative costs b. Capital costs	765,286
2. Public Information and Participation a. Public Outreach/Education b. Employee Training c. Corporate Outreach d. Business Assistance	6,308 1,908,663 104,768
3. Industrial/Commercial inspection/ site visit activities	
4. Development Planning	202,609
5. Development Construction a. Construction inspections	
6. Public Agency Activities a. Maintenance of structural and treatment control BMPs b. Municipal street sweeping* c. Catch basin cleaning d. Trash collection/recycling e. Capital costs f. Other	52,664 909,317 115,171 2,899,856 633,671 520 4,351,775
7. IC/ID Program a. Operations and Maintenance b. Capitol Costs	2,838,672
8. Monitoring	2,345,865
9. Other**	22,555,391
10. TOTAL	39,690,534

* Expenditures for parking lot sweeping

** Includes expenditures for litigation, TMDL projects, and other projects with water quality benefits.

List any supplemental dedicated budgets for the above categories:

This amount includes funding sources outside of Flood Control District Benefit Assessment funds. Approximately \$912,000 in Solid Waste funds was spent on the secondary school education program, coordinating used oil and oil filter collection events, and media relations efforts.

List any activities that have been contracted out to consultants/other agencies:

- **Environmental education programs for secondary schools, used motor oil and oil filter recycling program;**
- **Portions of the illicit discharge programs; Cleaning of trash free channel inverts, catch basins and clearing of channel right-of-ways (ROWs);**
- **Los Angeles River trash and debris collection;**
- **Flood facilities sweeping, vacuum & jetting services;**
- **Emergency and non-emergency cleanup of hazardous materials;**
- **Maintenance of the Marie Canyon Disinfection Project;**
- **Pump pulling and machine repair for maintenance of Low Flow Diversions.**

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II. Receiving Water Limitations (Part 2)

- A. Are you aware, or have you been notified, of any discharges from your MS4 that cause or contribute to a condition of nuisance or to the violation of any applicable water quality standards? Yes ☐ No ☒
- B. Has the Regional Board notified you that discharges from your MS4 are causing or contributing to an exceedance of water quality standards? Yes ☐ No ☒
- C. If you answered Yes to either of the above questions, you must attach a Receiving Water Limitations (RWL) Compliance Report. The Report must include the following:
1. A description of the pollutants that are in exceedance and an analysis of possible sources;
 2. A plan to comply with the RWL (Permit, Part 2);
 3. Changes to the SQMP to eliminate water quality exceedances;
 4. Enhanced monitoring to demonstrate compliance; and
 5. Results of implementation.

III. SQMP Implementation (Part 3)

- A. Has your agency implemented the SQMP and any additional controls necessary to reduce the discharges of pollutants in storm water to the maximum extent practicable? Yes ☒ No ☐
- B. If your agency has implemented additional or different controls than described in the countywide SQMP, has your agency developed a local SQMP that reflects the conditions in its jurisdiction and specifies activities being implemented under the appropriate elements described in the countywide SQMP? Yes ☐ No ☐

N/A. The LACFCD, jointly with the County of Los Angeles, developed the six programs prescribed by the SQMP. It is the responsibility of individual Permittees and/or the Watershed Management Committees (WMC) to develop a local SQMP.

- C. Describe the status of developing a local SQMP in the box below.

N/A

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- D. If applicable, describe an additional BMP, in addition to those in the countywide SQMP that your city has implemented to reduce pollutants in storm water to the maximum extent practicable.

End of Pipe Nets, CDS units, Catch Basin Basket Inserts, and Catch Basin Clean Screens were installed at various locations. Rumble plates and portable equipment washers are placed within the project sites to minimize potential dirt, dust, and debris from trucks & equipment from leaving construction sites.

- E. Watershed Management Committees (WMCs)

1. Which WMC are you in?

The LACFCD is represented in all of them.

2. Who is your designated representative to the WMC?

- **Janet Rodriguez - Ballona Creek & Urban Santa Monica Bay WMC**
- **Maged Soliman - Dominguez Channel/Los Angeles Harbor WMC**
- **Janet Rodriguez - Malibu Creek & Rural Santa Monica Bay WMC**
- **Ruby Wang - Los Angeles River WMC**
- **Ruby Wang - San Gabriel River WMC**

3. How many WMC meetings did you participate in last year?

The LACFCD was represented in all quarterly and optional monthly meetings.

4. Describe specific improvements to your storm water management program as a result of WMC meetings.

The meetings facilitated cooperation as well as exchange of relevant information and experiences among the permittees, which led to a general improvement of the LACFCD's stormwater program.

5. Attach any comments or suggestions regarding your WMC.

None at this time.

- F. Storm Water Ordinance

1. Have you adopted a storm water and urban runoff ordinance to enforce all requirements of Order 01-182?

Yes ☒

No ☐

If not, describe the status of adopting such an ordinance.

N/A

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2. If yes, have you already submitted a copy of the ordinance to the Regional Board? Yes ☒ No ☐
If not, please attach a copy to this Report.
3. Were any amendments made to your storm water ordinance during the last fiscal year? Yes ☐ No ☒
If yes, attach a copy of amendments to this Report.

G. Discharge Prohibitions

1. List any non-storm water discharges you feel should be further regulated:

Sources of discharges exceeding water quality standards over which the Regional Board has regulatory purview, including but not limited to:

- **U.S. Forest Service and California park lands discharges**
- **Wastewater treatment plants that discharge into the Los Angeles and San Gabriel Rivers**
 - Discharges comprise about 80% of dry weather flows in Los Angeles River
 - Quantity and quality of discharges of concern with respect to receiving water quality standards; MS4s held to stricter standards
- **CERCLA cleanup discharges**
 - Quality of discharges of concern with respect to receiving water quality standards; MS4s held to stricter standard
 - EPA has required LACFCD to accept these discharges
- **Caltrans properties and highways discharges**
- **Schools and other Phase II permittees discharges**

2. List any non-storm water discharges you feel should be exempt, and provide an explanation for each:

None at this time.

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IV. Special Provisions (Part 4)**A. Public Information and Participation (Part 4.B)**

In addition to answering the following questions, attach a summary of all storm water education activities that your agency conducted or participated in last year.

See Attachment IV-A [B]**1. No Dumping Message**

- a) How many storm drain inlets does your agency own?

80,806 Catch basin openings

- b) How many storm drain inlets were marked with a no dumping message in the last fiscal year?

17,298 Catch basin openings

- c) What is the total number of storm drain inlets that are legibly marked with a no dumping message?

80,806 (ALL) Catch basin openings

If this number is less than the number in question 1.b, describe why all inlets have not been marked, the process used to implement this requirement, and the expected completion date.

N/A

- d) How many public access points to creeks, channels, and other water bodies within your jurisdiction have been posted with no dumping signage in the past year?

All Flood Control facilities with public access points are posted with "No Dumping" signs.

Describe your agency's status of implementing this requirement by the date required in Order No. 01-182.

All public access points are posted with "No Dumping" signs. Flood Maintenance Division (FMD) personnel note any missing or defaced signs during routine inspections and repost signs as necessary.

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2. Reporting Hotline

- a) Has your agency established its own hotline for reporting and for general storm water management information? Yes ☒ No ☐
- b) If so, what is the number? **1(888) CLEAN LA (1-888-253-2652)**
- c) Is this information listed in the government pages of the telephone book? Yes ☒ No ☐
- d) If no, is your agency coordinated with the countywide hotline? **N/A**
Yes ☐ No ☐
- e) Do you keep record of the number of calls received and how they were responded to? Yes ☒ No ☐
- f) How many calls were received in the last fiscal year?
34,064 (shared hotline with County of Los Angeles)
- g) Describe the process used to respond to hotline calls.
- Illegal dumping calls are routed to LACDPW Dispatch operators who log the call and forward the information to the appropriate co-permittee operations coordinator, or if the discharge has entered or is likely to enter the storm drain, a work order is generated and sent to appropriate Spill Response Supervisor. All discharge complaints are documented.**

LACDPW Environmental Programs Division and Public Relations Group staff provide live responses to callers in English and Spanish. Pre-recorded messages are available in English or Spanish delivering information on Stormwater, HHW/E-Waste, Used Motor Oil, Water Conservation, and Smart Gardening programs. The hotline received over 34,000 calls (for County and LACFCD combined).
- h) Have you provided the Principal Permittee with your current reporting contact information? **N/A**
Yes ☐ No ☐
- i) Have you compiled a list of the general public reporting contacts for all Permittees and posted it on the www.888CleanLA.com web site (*Principal Permittee only*)? Yes ☒ No ☐
If not, when is this scheduled to occur? **N/A**

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3. Outreach and Education

- a) Describe the strategy developed to provide outreach and bilingual materials to target ethnic communities. Include an explanation of why each community was chosen as a target, how program effectiveness will be determined, and status of implementation. (*Principal Permittee only*)

The LACFCD jointly implemented several components of the PIPP in partnership with the County.

Program messages and outreach materials are developed for ethnic communities and other target audiences based on qualitative research data. During this reporting period, the media mix targeted the General Public, Spanish and several Asian language speakers with Public Service Announcements (PSAs) aired through television, newspaper and/or radio media outlets.

Through the 15th Cycle Block Grant and the OPP Cycle 1 Grant, the LACFCD continued the media campaign targeting the general population, Hispanic, and Chinese communities with ads promoting used motor oil and used oil filter recycling. The media campaign consisted of radio, television and print ads on various media outlets such as *Autoworld, PennySaver, La Opinion, China Press, Pasadena Star News, El Segundo Herald, Korea Times, San Gabriel Valley Tribune, and El Clasificado.*

The media campaign for the 15th Cycle achieved 10,769,000 paid media impressions and 1,570,000 added value impressions. During the OPP Cycle 1 the media campaign achieved 27,960,000 paid media impressions and 10,600,000 added value impressions.

Additional outreach efforts were conducted with Community Based Organizations (CBOs) and local businesses by distributing event flyers. A total of 5,512 flyers were distributed to residents through CBOs during both grant cycles.

Three used motor oil collection events were conducted in the following cities: Alhambra; Artesia; and Montebello. A total of 850 gallons of used motor oil and 399 used oil filters were collected from 363 DIYers. Three filter exchange events were conducted at the following O'Reilly stores: El Monte; Lawndale; and Long Beach. A total of 324 gallons of used motor oil and 188 used oil filters were collected from 194 DIYers.

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LACFCD conducted a pilot program by collecting contaminated used motor oil at the used oil collection events based on DIYers bringing contaminated used motor oil to collection events in previous reporting periods. LACFCD collected 125 gallons of contaminated used motor oil at the events. This program offering allowed DIYers to dispose of contaminated oil without taking it to a Household Hazardous Waste/Electronic Waste event that may have not been located nearby.

Participants who recycled their used motor oil and used oil filters received free used motor oil and used oil filter containers, shop towels, oil funnels, and a new oil filter in exchange for their old filter. In addition, used oil filter pickups were conducted at 35 participating O'Reilly stores. A total of 29,500 used oil filters were recycled.

A post-wave analysis was conducted targeting the general population, Hispanic, and Chinese markets. The intercept surveys were conducted at the collection events as well as various auto related stores in Los Angeles County.

The results of the post-wave were compared to those from the previous grant cycles in order to measure trends and changes in awareness levels for advertising, Certified Collection Centers (CCC) usage, hotline usage, and other determining factors for used motor oil and used oil filter recycling behavior, information, and attitudes of the program.

The results indicated advertising awareness for the promotion of used motor oil and oil filter recycling increased among the General Market (27% to 39%), slightly lowered for the Hispanic Market (68% to 64%) and dramatically decreased among the Chinese Market (89% to 48%). CCC usage to recycle used motor oil increased significantly for the General Market (44% to 71%), the Hispanic Market demonstrated a minimal drop (80% to 75%), and a significant drop for the Chinese Market (90% to 67%). Awareness of the hotline slightly decreased for the General Market (41% to 34%), slightly increased for the Hispanic Market (35% to 37%), and decreased for the Chinese Market (25% to 20%). (See Attachment IV-A3a [C])

New print advertisements were developed to incorporate a stronger message about protecting the environment. In addition to the new print ads, a new television ad was created. The ad showcased how to properly dispose of used motor oil and used oil filters. Radio spots remained the same but were updated with new event dates and

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locations.

During this reporting period, LACFCD coordinated a billboard campaign. The billboard campaign duration was for 8 weeks beginning February 13, 2012, through April 4, 2012. The media campaign targeted English and Spanish speaking DIYers. The used motor oil advertisement was displayed on 20 billboards throughout Los Angeles County. The total paid media impressions was 28,900,000 and added value impressions was 16,590,000.

In addition, LACFCD purchased ad space at gas stations. A 30 second ad ran on various gas station televisions throughout the Los Angeles County region between February 27, 2012, and May 6, 2012. The Gas Station campaign televised an ad on the proper disposal of used motor oil. The ad was viewed by customers on televisions displayed above the gas station pumps. A total of 653,300 paid media impressions were received in addition to 34,800 added value impressions.

Staff attended three community events promoting the used motor oil and used oil filter recycling program: Fiestas Patrias; Annual Lunar New Year Celebration; and Fiesta Broadway. A total of 900 residents visited the program booths to receive information on proper disposal of used motor oil and used oil filters. Residents were provided with a Household Hazardous Waste/E-Waste collection schedule and a tip sheet on used motor oil and used oil filter recycling.

The Chinese Hotline continued to be available to Mandarin speaking DIYers. More than 45 calls were received during this reporting period.

The countywide stormwater paid media campaign achieved 153.2 million paid audience impressions and 27.8 million added-value impressions during this reporting period. The multi-media campaign included print, video, and radio ads. Ads were broadcasted in English and Spanish on more than 1,800 Metro buses, in Spanish on KXOS radio station, and also print and radio ads in English.

- b) Did the Principal Permittee organize quarterly Public Outreach Strategy meetings that you were aware of?

Yes ☒ No ☐

How many Public Outreach Strategy meetings did your agency participate in last year? **Hosted 4 quarterly meetings**

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Explain why your agency did not attend any or all of the organized meetings.

N/A

Identify specific improvements to your storm water education program as a result of these meetings:

The LACFCD featured guest speakers at the quarterly meetings to provide information on stormwater education programs coordinated by the Resource Conservation District of the Santa Monica Mountains in partnership with local government agencies in the Malibu Creek Watershed, Heal the Bay, the Cities of Covina and Manhattan Beach, and the County's Generation Earth Secondary School, Used Motor Oil and Oil Filter Recycling, and Plastic Bag Ban Programs. Through these meetings, we shared resources such as collateral materials and public outreach strategies with copermittees.

List suggestions to increase the usefulness of quarterly meetings:

None.

If quarterly Public Outreach Strategy meetings were not organized, explain why not and when this requirement will be implemented (*Principal Permittee only*).

N/A

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- c) Approximately how many impressions were made last year on the general public about storm water quality via print, local TV, local radio, or other media? **233 million**
- d) Describe efforts your agency made to educate local schools on storm water pollution.

The LACFCD and County provide resources and programs for in-school stormwater education to students enrolled in grades K-12 through classroom lesson plans, assembly presentations, technical assistance workshops, special events, and special projects.

Generation Earth conducted four one-day professional development workshops and one two-day Summer Institute Professional Development workshop. The program assisted and trained a total of 93 teachers representing 87 schools. These teachers worked directly with approximately 40,000 students in their classrooms and potentially reached 244,790 students during the 2011-12 school year.

Generation Earth conducted three Waste Reduction and Recycling workshops and three Water Pollution Prevention workshops. The program assisted and trained a total of 93 teachers from 84 schools potentially impacting 224,430 students.

During the 2011-2012 school year, students participated in 438 service learning projects conducted at 127 schools potentially impacting 215,020 students.

Generation Earth attended 13 outreach events, reaching approximately 19,970 attendees.

The Streets to the Sea Challenge (Sea Challenge) competition was available to middle and high schools in 2012. The Sea Challenge targeted teachers, students, and campus communities to increase awareness of water pollution issues by creating a media-based campus public awareness campaign.

Thirty eight schools participated in the Sea Challenge potentially impacting 69,000 students. These schools analyzed watershed issues on their campus and looked for solutions. Students created portfolios and developed creative/innovative public education campaigns including videos, assemblies, fairs, flyers, student rallies that reached the student body with messages on how everyone can help prevent stormwater pollution.

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On April 26, 2012, the top 10 schools of the Sea Challenge were invited to participate in the recognition event. Each school presented their project and answered the judge's questions. Norwalk High School and Walter Reed Middle School were the overall winners for the respective high school and middle school competition categories. As Grand Prize winners, their schools received a field trip to the Floating Lab, a science-based lab, in Long Beach, California.

The LACFCD and County served as a member of the steering committee for the annual Los Angeles County Environmental Education Fair (LAEEF) event, coordinated by the L.A. County Office of Education, other participating agencies and stakeholders. LACDPW assisted with graphic design of the flyer for the event. (Attachment IV-A3d1 [D]).

- e) Did you provide all schools within each school district in Los Angeles County with materials necessary to educate a minimum of 50 percent of all school children (K-12) every 2 years on storm water pollution (Principal Permittee only)?

Yes ☒ No ☐

If not, explain why.

N/A

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- f) Describe the strategy developed to measure the effectiveness of in-school educational programs, including assessing students' knowledge of storm water pollution problems and solutions before and after educational efforts (*Principal Permittee only*).

The LACFCD followed the strategy that was submitted to the Regional Board in May 2002. The strategy consists of two key components:

- 1. Teacher evaluation of program effectiveness and applicability of program curriculum and classroom activities through the use of surveys, interviews, focus groups, etc.**
- 2. Pre- and post-program assessment through the use of surveys and interviews of students' knowledge and understanding of stormwater and urban runoff pollution, how their actions impact pollution, and what they can do to help.**

During this reporting period, a student assessment was not conducted for K-6 grade students through the Environmental Defenders program. The Environmental Defenders contract did not resume in Fiscal Year 2011-2012 as planned. A new Request for Proposals was released in May 2012. Proposals were evaluated in June 2012. We anticipate awarding an adopted Board contract in the winter of 2013.

For Permit Years 2-5, attach an assessment of the effectiveness of in-school storm water education programs.

See Attachment IV-A3f1 [E]

- g) What is the behavioral change target that was developed based on sociological data and other studies (*Principal Permittee only*)?

Below are the numerical behavioral change targets approved by the Regional Board in May 2002. The numerical targets reflect an anticipated reduction in polluting behaviors.

- Dumping motor oil into storm drains to 2% from 6%.**
- Littering to 10% from 13%.**
- Hosing leaves and dirt into the street to 9% from 12%.**
- Dumping directly into the storm drains to 2% from 5%.**
- Dropping cigarette butts on the ground to 12% from 16%.**
- Leaving dog droppings on the ground to 1% from 4%.**
- Rinsing out paintbrushes into the street to 2% from 6%.**
- Emptying a car ashtray into the street to 1% from 3%.**

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If no target has been developed, explain why and describe the status of developing a target.

N/A

What is the status of meeting the target by the end of Year 5?

The LACFCD continued implementing public education campaigns designed to mitigate stormwater pollution in the County of Los Angeles and improve inland and coastal communities.

To evaluate the effectiveness of the campaign, we conducted a baseline study in 1997, and conducted Countywide segmentation studies in 2001 and 2005, followed by annual surveys while the Countywide Stormwater Public Education Program Contract was active. The most recent survey was conducted in 2008, and survey findings were reported in the FY 08-09 reporting period.

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4. Pollutant-Specific Outreach

- a) Attach a description of each watershed-specific outreach program that your agency developed (*Principal Permittee only*). All pollutants listed in Table 1 (Section B.1.d.) must be included.

See Attachment IV-A4a [F]

- b) Did your agency cooperate with the Principal Permittee to develop specific outreach programs to target pollutants in your area? **N/A**
Yes ☐ No ☐
- c) Did your agency help distribute pollutant-specific materials in your city? **N/A**
Yes ☐ No ☐
- d) Describe how your agency has made outreach material available to the general public, schools, community groups, contractors and developers, etc...

LACFCD provided campaign collateral to co-permittees (Attachment IV-A4d [G]). LACFCD also provided campaign collateral for various community and outreach events coordinated by other LACDPW divisions, Board of Supervisors, and outside agencies.

Stormwater pollution prevention materials were also circulated to secondary school students, school administrators, and parents through the LACFCD'S and County's Generation Earth program. Additionally, LACFCD distributed collateral materials through CBOs, special events, and participating in 245 community events and conferences.

5. Businesses Program

- a) Briefly describe the Corporate Outreach Program that has been developed to target gas stations and restaurant chains (Principal Permittee only).

LACFCD contacted corporate Retail Gas Outlets with gas stations in the County of Los Angeles and offered them copies of the Good Gas Station Operating Practices Best Management Practices flyer and to schedule a workshop for corporate managers at a monthly or quarterly manager's meeting.

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- b) How many corporate managers did your agency (Principal Permittee only) reach last year? **400**
- c) What is the total number of corporations to be reached through this program (Principal Permittee only)? **11**
- d) Is your agency meeting the requirement of reaching all gas station and restaurant corporations once every two years (*Principal Permittee only*)? Yes ☒ No ☐

If not, describe measures that will be taken to fully implement this requirement.

- e) Has your agency developed and/or implemented a Business Assistance Program? Yes ☐ No ☒
- If so, briefly describe your agency's program, including the number of businesses assisted, the type of assistance, and an assessment of the program's effectiveness.

N/A

6. Did you encourage local radio stations and newspapers to use public service announcements? Yes ☒ No ☐

How many media outlets were contacted?

All L.A. County media outlets were contacted through media wire services and/or direct contact.

Which newspapers or radio stations ran them?

During the reporting period, LACFCD and County used motor oil and used oil filter recycling messages appeared in the following media: *Los Angeles Times, Los Angeles Daily News, LA Weekly, Press Telegram, Beachcomber, El Clasificado, Vida Nueva, La Opinion, and Impacto USA.* The press releases reminded DIYers to recycle used oil and used oil filters. The County achieved approximately 1.6 million audience impressions as a result of our media relations efforts.

Who was the audience?

The audience was DIYers who change the motor oil and oil filter in their vehicles and members of the general public.

7. Did you supplement the County's media purchase by funding additional media buys? **N/A** Yes ☐ No ☐

Estimated dollar value/in-kind contribution: **N/A**

Type of media purchased: **N/A**

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Frequency of the buys:

N/A

Did another agency help with the purchase?

N/AYes ☐ No ☐

8. Did you work with local business, the County, or other Permittees to place non-traditional advertising?

Yes ☒ No ☐

If so, describe the type of advertising.

LACFCD coordinated a gas station ad campaign to promote used motor oil recycling to County residents.

9. Did you establish local community partnerships to distribute educational storm water pollution prevention material?

Yes ☒ No ☐

Describe the materials that were distributed:

Flyers promoting used motor oil and used oil filter events were distributed by local businesses, churches, recycling centers, and community organizations to promote the events through the CBO outreach component of the Used Motor Oil and Used Oil Filter Recycling program.

Who were the key partners?

CBO partners for the Used Motor Oil and Oil Filter Recycling program.

Who was the audience (businesses, schools, etc.)?

The audience included DIYers and members of the general public.

10. Did you participate in or publicize workshops or community events to discuss storm water pollution?

Yes ☒ No ☐How many events did you attend? **245**

11. Does your agency have a website that provides storm water pollution prevention information?

Yes ☒ No ☐If so, what is the address? **www.888CleanLA.com**

12. Has awareness increased in your community regarding storm water pollution?

Yes ☒ No ☐

13. Do you feel that behaviors have changed?

Yes ☒ No ☐

Explain the basis for your answers. Include a description of any evaluation methods that are used to determine the effectiveness of your agency's outreach.

Based on the annual used motor oil and used oil filter recycling program survey, there was an increase in advertising awareness for the promotion of used motor oil and oil filter recycling among the General Market.

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14. How would you modify the storm water public education program to improve it on the City or County level?

Continue to coordinate restaurant and RGO BMP workshops at the corporate manager level by requesting approval to offer the workshop in conjunction with regularly scheduled monthly or quarterly manager meetings.

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B. Industrial/Commercial Facilities Program

1. Critical Source Inventory Database

Did you (individually or jointly) update the Database for Critical
Sources Inventory? **N/A**

Yes ☐

No ☐

Comments/Explanation/Conclusion:

N/A

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2. Inspection Program

Provide the reporting data as suggested in the following tables. **N/A**

Category	Initial Number of Facilities at the start of cycle proposed for inspection by categories (after the initial year, the updated number based on the new data)	Number of facilities inspected in the current reporting year	% Completed at the time of this report for present cycle (from the initial value, and from the updated value after first cycle)	Total number since permit adoption
Landfills				
TSDf				
Auto				
RGO				
Restaurants				
Tier 1				
Tier 2				
Mandatory				
Comments/Explanation/Conclusion:		N/A		

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3. **BMPs Implementation**

Provide the reporting data as suggested in the following table. **N/A**

Category	Number of facilities inspected by category in this reporting year	Number of facilities identified as adequately implementing BMPs as specified in this reporting year	% adequately implementing out of total in this reporting year	Number of facilities required to implement or upgrade in this reporting year	Number of facilities inspected by category in this reporting cycle	Number of facilities identified as adequately implementing BMPs as specified in this reporting cycle	% adequately implementing out of total in this reporting cycle	Number of facilities required to implement or upgrade in this reporting cycle	Total Number during this permit adequately implementing	Total Number during this permit required to implement or upgrade
Landfills										
TSDf										
Auto										
RGO										
Restaurant										
Tier 1										
Tier 2										
Mandatory										

Comments/Explanation /Conclusion:

N/A

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4. Enforcement Activities

Provide the reporting data as suggested in the following tables. **N/A**

Enforcement Actions by categories (e.g. Warning letter, NOV, referral to D.A., etc.)	Number of facilities issued enforcement actions in the current reporting year	Number of facilities issued enforcement actions in the current reporting cycle	Number of facilities (re)inspected due to enforcement actions in current reporting year	Number of facilities (re)inspected due to enforcement actions in current reporting cycle	Number of facilities brought into compliance in the current reporting year	Number of facilities brought into compliance in current reporting cycle	Total number of enforcement actions since permit adoption (by category)
Information Notice							
Notice of Non-Compliance							
Notice of Violation							
Referral							
Other							

Facilities by category	Number of Warning letters	Number of NOVs	Number of Referral	Number of Other
Landfills				
Auto				
RGO				
Restaurants				
Tier 1				
Tier 2				
Mandatory				

Comments/Explanation /Conclusion:

N/A

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5. Program Implementation Effectiveness Assessment

Please give a brief assessment of the implementation of the program in removing pollutants from the storm water discharges. Please provide an explanation. Suggested improvements or adjustments based on the knowledge gained through this reporting period activities must be reflected in a change in the SQMP, if warranted. **N/A**

Highly Effective ☐

Somewhat Effective ☐

Non-effective ☐

Comments/Explanation/Conclusion:

N/A

6. You must also submit a quarterly electronic submittal of your Industrial/Commercial Facilities Program activities.

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C. Development Planning Program (Part 4.D)

1. Does your agency have a process to minimize impacts from storm water and urban runoff on the biological integrity of natural drainage systems and water bodies in accordance with requirements under CEQA, Section 404 of the CWA, local ordinances, and other legal authorities? **N/A** Yes ☐ No ☐

Attach examples showing how storm water quality impacts were addressed in environmental documents for projects over the past year.

N/A

2. Does your agency have procedures to include the following requirements in all priority development and redevelopment projects: **N/A**

- a) Maximize the percentage of permeable surfaces to allow more percolation of storm water into the ground? Yes ☐ No ☐

- b) Minimize the quantity of storm water directed to impermeable surfaces and the MS4? Yes ☐ No ☐

- c) Minimize pollution emanating from parking lots through the use of appropriate treatment control BMPs and good housekeeping practices? Yes ☐ No ☐

- d) Provide for appropriate permanent measures to reduce storm water pollutant loads from the development site? Yes ☐ No ☐

3. List the types and numbers of BMPs that your agency required for priority projects to meet the requirements described above.

N/A

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4. Describe the status of the development or implementation of peak flow controls in Natural Drainage Systems.

N/A

5. Has your agency amended codes and/or ordinances to give legal effect to the SUSMP changes required in the Permit? **N/A**

Yes ☐ No ☐

6. Describe the process your agency uses to include SUSMP design standards in new development and redevelopment project approvals.

The Technical Review Committee (TRC) was established by the LACDPW in 2002 to evaluate new products and technologies including water quality BMPs. Products that are successful in completing the evaluation process can be used in our projects and in developments transferred to LACFCD for operation and maintenance. The evaluation process is meant to ensure that all stormwater BMPs directly connected to LACFCD facilities meet standards for safety, design, performance, water quality, and operation and maintenance. By the end of the 2011-2012 fiscal year, trash separator and biofilter BMPs were added to the list of previously accepted proprietary BMPs. This brought the list to a total of 11 BMPs. Additionally, in September 2011, the Coanda Screen was certified by the Regional Board as full trash capture device. At the same time, two Continuous Deflection Separator devices, a connector pipe screen device, two trash separator systems, one bioretention tree well, two hydrodynamic separators, and two filter fabric devices were also under review. The TRC also maintains an informational BMP website (www.BMPLA.org) containing a searchable database of many proprietary and non-proprietary BMPs. The website assists BMP users looking for various types of BMPs.

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7. How many of each of the following projects did your agency review and condition to meet SUSMP requirements last year? **N/A**
- a) Residential
 - b) Commercial
 - c) Industrial
 - d) Automotive Service Facilities
 - e) Retail Gasoline Outlets
 - f) Restaurants
 - g) Parking Lots
 - h) Projects located in or directly adjacent to or discharging directly to an environmentally sensitive area
 - i) Total number of permits issued to priority projects
8. What is the percentage of total development projects that were conditioned to meet SUSMP requirements? **N/A**
9. How has your agency prepared to reduce the SUSMP threshold for industrial/commercial facilities to 1 acre from 100,000 square feet in 2003?
- N/A**
10. After 2003, how many additional projects per year will require/did require implementation of SUSMP requirements as a result of the lower threshold?
- N/A**
11. Does your agency participate in an approved regional or sub-regional storm water mitigation program to substitute in part or wholly SUSMP requirements for new development? **N/A**
- Yes ☐ No ☐

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12. Has your agency modified its planning procedures for preparing and reviewing CEQA documents to consider potential storm water quality impacts and provide for appropriate mitigation? **N/A** Yes ☐ No ☐
If no, provide an explanation and an expected date of completion.

N/A

13. Did your agency update any of the following General Plan elements in the past year? **N/A**

- a) Land Use Yes ☐ No ☐
b) Housing Yes ☐ No ☐
c) Conservation Yes ☐ No ☐
d) Open Space Yes ☐ No ☐

If yes, please describe how watershed and storm water quality and quantity management considerations were included.

N/A

14. How many targeted staff were trained last year? **N/A**

15. How many targeted staff are trained annually? **N/A**

16. What percentage of total staff are trained annually? **N/A**

17. Has your agency developed and made available development planning guidelines? **N/A** Yes ☐ No ☐

18. If no, what is the expected date that guidelines will be developed and available to developers? **N/A**

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19. What is the status of completion of the technical manual for siting and design of BMPs for the development community?

N/A

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D. Development Construction Program

1. Describe your agency's program to control runoff from construction activity at all construction sites within its jurisdiction.

N/A

2. Does your agency require the preparation, submittal, and implementation of a Local Storm Water Pollution Prevention Plan (Local SWPPP) prior to the issuance of a grading permit for all sites that meet one or all of the following criteria? **N/A**

a) Will result in soil disturbance of one acre or greater **N/A** Yes ☐ No ☐

b) Is within, directly adjacent to, or is discharging directly to an environmentally sensitive area **N/A** Yes ☐ No ☐

c) Is located in a hillside area **N/A** Yes ☐ No ☐

3. Attach one example of a local SWPPP

N/A

4. Describe the process your agency uses to require proof of filing a Notice of Intent for coverage under the State General Construction Activity Storm Water permit and a certification that a SWPPP has been prepared prior to issuing a grading permit?

N/A

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5. How many building/grading permits were issued to sites requiring Local SWPPPs last year? **N/A**
6. How many building/grading permits were issued to sites requiring coverage under the General Construction Activities Storm Water Permit last year? **N/A**
7. How many building/grading permits were issued to construction site less than one acre in size last year? **N/A**
8. How many construction sites were inspected during the last wet season? **N/A**
9. Complete the table below. **N/A**

Type of Violation	# of Violations	% of Total Inspections	# of Follow-up Inspections	# of Enforcement Actions
Off-site discharge of sediment				
Off-site discharge of other pollutants				
No or inadequate SWPPP				
Inadequate BMP/SWPPP implementation				

10. Describe the process for taking enforcement actions against construction site violations, including the types of actions that are taken.

N/A

11. Describe the system that your agency uses to track the issuance of grading permits.

N/A

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E. Public Agency Activities (Part 4.F)

1. Sewage System Maintenance, Overflow, and Spill Prevention (only applicable to agencies that own and/or operate a sanitary sewer system)

a) Has your agency developed and implemented a response plan for sanitary sewer overflows that includes the requirements in Order 01-182? **N/A** Yes ☐ No ☐

b) How many sanitary sewer overflows occurred within your jurisdiction? **N/A**

c) How many did your agency respond to? **N/A**

d) Did your agency investigate all complaints received? **N/A** Yes ☐ No ☐

e) How many complaints were received? **N/A**

f) Upon notification, did your agency immediately respond to overflows by containment? **N/A** Yes ☐ No ☐

g) Did your agency notify appropriate sewer and public health agencies when a sewer overflowed to the MS4? **N/A** Yes ☐ No ☐

h) Did your agency implement a program to prevent sewage spills or leaks from sewage facilities from entering the MS4? **N/A** Yes ☐ No ☐

If so, describe the program:

N/A

i) Did your agency implement a program to identify, repair, and remediate sanitary sewer blockages, exfiltration, overflow, and wet weather overflows from sanitary sewers to the MS4? **N/A** Yes ☐ No ☐

If so, describe the program:

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N/A

2. Public Construction Activities Management

- a) What percentage of public construction sites 5 acres or greater in size did your agency obtain coverage under the State of California General Construction Activities Storm Water Discharge Permit? **100%**
- b) Give an explanation for any sites greater than 5 acres that were not covered:

N/A

- c) What is the total number of active public construction sites? **25**
How many were 5 acres or greater in size? **9**
- d) (After March, 2003) Did your agency obtain coverage under the State of California General Construction Activities Storm Water Discharge Permit coverage for public construction sites for sites one acre or greater? Yes ☒ No ☐

3. Vehicle Maintenance/Material Storage Facilities/Corporation Yards Management

- a) Did your agency implement pollution prevention plans for each public vehicle maintenance facility, material storage facility, and corporation yard? Yes ☒ No ☐

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- b) Briefly describe how your agency implements the following, and any additional, BMPs to minimize pollutant discharges in storm water:

(1) Good housekeeping practices

All sites regularly maintain storm drain inlets and grounds to keep them debris-free.

Parking lots at LACFCD maintenance yards are inspected twice a month and swept at least once a month.

The LACFCD emphasizes extensive education and training of field staff through routine tailgate meetings where good housekeeping practices such as proper disposal of trash and waste are discussed. Furthermore, the LACFCD stresses the importance of maintaining records and training materials. In addition, inspections of maintenance yards are also conducted on a regular basis, above and beyond the permit requirements, and LACDPW's WMD staff conducted 48 inspections of LACFCD facilities as part of its Clean Yards Program.

(2) Material storage control

Outdoor material, and all aggregate concrete bunkers are covered properly with tarps or canopies.

Berms have been constructed and fire hoses filled with sand have been placed at the edges to prevent sediment displacement due to runoff.

Material storage is done indoors in some instances.

The LACFCD conducts extensive training on proper storage and disposal of waste materials indoors and outdoors.

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(3) Vehicle leaks and spill control

Maintenance facilities such as those for auto fueling and repairs are equipped with spill kits to ensure prompt cleanup of leaks and spills. In addition all wastes are properly labeled and separated.

Furthermore, drip pans, absorbent pads and kitty litter (powdered clay) are used under leaky vehicles until repair is completed. Liquid spills are prevented by secondary containment. The maintenance facilities added spill pans underneath permanent parking stalls for maintenance trucks.

The LACFCD emphasizes keeping an education and spill response plan in place throughout the various LACFCD facilities, so employees are familiar with proper procedures.

(4) Illicit discharge control

Sand bags or other containment devices are placed around catch basin inlets at storage facilities to prevent illicit discharges. LACFCD responds to all reports of illicit discharges to the storm drain system. LACFCD contains the spill and calls a licensed vendor for cleanup.

The LACFCD provides extensive training and instructions on prevention of and response to illicit discharges.

- c) Are all Permittee owned and/or operated vehicle/equipment wash areas self-contained, covered, equipped with a clarifier, and properly connected to the sanitary sewer? Yes ☒ No ☐
If not, what is the status of implementing this requirement?

Major maintenance yards have self-contained, covered vehicle/equipment wash areas equipped with clarifiers that are connected to the sanitary sewer. Other maintenance yards take their vehicles to a local car wash or to a main yard with a properly equipped wash area.

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- d) How many Permittee owned and/or operated vehicle/equipment wash areas are scheduled to be redeveloped to include the BMPs listed above? **0**

4. Landscape and Recreational Facilities Management

- a) Has your agency developed a standardized protocol for the routine and non-routine application of pesticides, herbicides (including pre-emergents), and fertilizers?

Yes ☒ No ☐

Briefly describe this protocol:

The LACFCD follows all Federal, State and local laws pertaining to the purchase, storage and use of pesticides and herbicides. The County of Los Angeles's Agricultural Commissioner/Weights and Measures (ACWM) provides training and certifies pertinent LACFCD personnel in pesticide application on ground surfaces. In some cases, outside licensed vendors or landscaping contractors are retained. They are required to follow all applicable laws, regulations, and protocols as described in their contracts.

- b) How does your agency ensure that there is no application of pesticides or fertilizers immediately before, during, or immediately after a rain event or when water is flowing off the area to be applied?

The LACFCD maintenance supervisors oversee the timing of these applications, and their field staff is adequately trained during the annual storm water pollution prevention tailgate meetings on the proper use and storage of pesticides, herbicides and fertilizers. The LACFCD schedules these activities well in advance, inclusive of spot spraying, and applications are only scheduled during dry weather. In addition, weather forecasts are considered before any application. The LACFCD enforces these existing policies with its contractors to ensure that herbicides are sprayed in a proper manner. In addition, these requirements are included in LACFCD construction documents, plans, and specifications.

- c) Are any banned pesticides, herbicides, fungicides, or rodenticides stored or applied in your agency's jurisdiction that you know of? Yes ☐ No ☒
If so, list them:

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N/A

- d) What percentage of your agency's staff that apply pesticides are certified by the California Department of Food and Agriculture, or are under the direct supervision of a certified pesticide applicator? **100%**
- e) Describe procedures your agency has implemented to encourage retention and planting of native vegetation and to reduce water, fertilizer, and pesticide needs:

The LACFCD typically incorporates drought resistant plants in landscaping projects. In most cases mulch is used to retain moisture and prevent weed growth.

5. Storm Drain Operation and Management

- a) Did your agency designate catch basin inlets within its jurisdiction as Priority A; Priority B; and Priority C? Yes ☒ No ☐
- b) How many of each designation exist in your jurisdiction?
- | | |
|-------------|---------------|
| Priority A: | 1,617 |
| Priority B: | 470 |
| Priority C: | 81,496 |

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- c) Is your city subject to a trash TMDL? Yes ☒ No ☐
- d) If yes, describe the activities and/or implementation measures that your agency conducted pursuant to the TMDL and any other trash reduction efforts that occurred.

The LACFCD has implemented the following efforts in their routine maintenance operations.

- **“Trash Free” Channel Contracts for cleaning channel inverts of trash and debris.**
- **Contracts for Channel Clearing ROW to remove trash and debris.**
- **LA River Trash and Debris Collection Contract to remove trash and debris at the Southern Sector of the River.**
- **Maintain trash booms on Los Angeles River, Dominguez Channel, Wilmington Drain, Los Cerritos Channel and Ballona Creek**
- **Catch Basin Cleanout Contracts to clean all catch basins.**

In addition, the LACFCD has issued permits to various co-Permittees for installation of catch basin screens and inserts on LACFCD facilities.

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- e) How many times were all Priority A basins cleaned last year? **4**
- f) How many times were all Priority B basins cleaned last year? **2**
- g) How many times were all Priority C basins cleaned last year? **1**
- h) How much total waste was collected in tons from catch basin clean-outs last year? **1033 tons**
- i) Attach a record of all catch basins in your jurisdiction. This shall identify each basin as City or County owned, and Priority A, B, or C. For all basins that are owned and operated by your agency, include dates that each was cleaned out over the past year.
Records for catch basin maintenance are too voluminous to attach to this report; they can be provided separately upon request.
- j) Did your agency place and maintain trash receptacles at all transit stops within its jurisdiction. **N/A** Yes ☐ No ☐
- k) How many new trash receptacles were installed last year? **N/A**
- l) Did your agency place special conditions for events that generated substantial quantities of trash and litter including provisions that:
- (1) Provide for the proper management of trash and litter generated from the event? **N/A** Yes ☐ No ☐
- (2) Arrange for temporary screens to be placed on catch basins? **N/A** Yes ☐ No ☐
- (3) Or for catch basins in that area to be cleaned out subsequent to the event and prior to any rain? **N/A** Yes ☐ No ☐
- m) Did your agency inspect the legibility of the catch basin stencil or labels? Yes ☒ No ☐
 What percentage of stencils were legible? **over 90%**

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n) Were illegible stencils recorded and re-stenciled or re-labeled within 180 days of inspection? Yes ☒ No ☐

o) Did your agency visually monitor Permittee-owned open channel storm drains and other drainage structures for debris at least annually and identify and prioritize problem areas of illicit discharge for regular inspection? Yes ☒ No ☐

Is the prioritization attached?

Records are too voluminous to attach to this report; they can be provided separately upon request.

Yes ☐ No ☒

p) Did your agency review its maintenance activities to assure that appropriate storm water BMPs are being utilized to protect water quality? Yes ☒ No ☐

What changes have been made?

No significant changes were made during this reporting period. The LACFCD continues to review all standard maintenance procedures and use of BMPs to assure that they are being utilized appropriately as part of an overall iterative and adaptive strategy to improve urban and storm runoff quality. New or improved BMPs are evaluated and may be implemented as a pilot study.

q) Did your agency remove trash and debris from open channel storm drains a minimum of once per year before the storm season? Yes ☒ No ☐

r) How did your agency minimize the discharge of contaminants during MS4 maintenance and clean outs?

The LACFCD utilizes manual labor for MS4 maintenance and cleanouts. Heavy machinery is utilized as needed. Debris that falls is picked up by hand and tossed in with cleanout debris. In addition, the LACFCD followed all appropriate measures recommended in the California Stormwater Quality Association BMP Handbook to minimize the dispersal of contaminants.

s) Where is removed material disposed of?

Material is brought to a drying bed for moisture removal. Then, it is dumped into solid waste bins and transported to an authorized disposal facility center or legal dump sites.

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6. Streets and Roads Maintenance

a) Did your agency designate streets and/or street segments within its jurisdiction as one of the following:

- (1) Priority A – streets and/or street segments that are designated as consistently generating the highest volumes of trash and/or litter?

N/A

Yes ☐ No ☐

- (2) Priority B - streets and/or street segments that are designated as consistently generating moderate volumes of trash and/or litter?

N/A

Yes ☐ No ☐

- (3) Priority C – streets and/or street segments that are designated as generating low volumes of trash and/or litter?

N/A

Yes ☐ No ☐

b) Did your agency perform all street sweeping in compliance with the permit and according to the following schedule:

- (1) Priority A – These streets and/or street segments shall be swept at least two times per month?

N/A

Yes ☐ No ☐

- (2) Priority B - Each Permittee shall ensure that each streets and/or street segments is cleaned at least once per month?

N/A

Yes ☐ No ☐

- (3) Priority C – These streets and/or street segments shall be cleaned as necessary but in no case less than once per year?

N/A

Yes ☐ No ☐

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- c) Did your agency require that saw cutting wastes be recovered and disposed of properly and that in no case shall waste be left on a roadway or allowed to enter the storm drain? **N/A** Yes ☐ No ☐
- d) Did your agency require that concrete and other street and road maintenance materials and wastes be managed to prevent pollutant discharges? **N/A** Yes ☐ No ☐
- e) Did your agency require that the washout of concrete trucks and chutes only occur in designated areas and never into storm drains, open ditches, streets, or catch basins leading to the storm drain system? **N/A** Yes ☐ No ☐
- f) Did your agency train its employees in targeted positions (whose interactions, jobs, and activities affect storm water quality) regarding the requirements of the storm water management program to:
- (1) Promote a clear understanding of the potential for maintenance activities to pollute storm water? and Yes ☒ No ☐
- (2) Identify and select appropriate BMPs? Yes ☒ No ☐

7. Parking Facilities Management

- a) Did your agency ensure that Permittee-owned parking lots be kept clear of debris and excessive oil buildup and cleaned no less than 2 times per month and/or inspected no less than 2 times per month to determine if cleaning is necessary.
Some parking lots are swept as frequently as once per week. Yes ☒ No ☐
- b) Were any Permittee-owned parking lots cleaned less than once a month? Yes ☐ No ☒
How many? **N/A**

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8. Public Industrial Activities Management

- a) Did your agency, for all municipal activity considered an industrial activity under USEPA Phase I storm water regulations, obtain separate coverage under the State of California General Industrial Activities Storm Water Discharge Permit no later than December 31, 2001? **N/A** Yes ☐ No ☐
- b) Does your agency serve a population of less than 100,000 people? Yes ☐ No ☒

9. Emergency Procedures

- a) In case of real emergencies, did your agency repair essential public services and infrastructure in a manner to minimize environmental damage? Yes ☒ No ☐
- b) Were BMPs implemented to the extent that measures did not compromise public health and safety? Yes ☒ No ☐

10. Feasibility Study

- a) Did your agency cooperate with the County Sanitation Districts of Los Angeles County to prepare a study which investigates the possible diversion of dry weather flows or the use of alternative treatment control BMPs? Yes ☒ No ☐
- b) Did your agency review its individual prioritized list and create a watershed based priority list of drains for potential diversion and submit a listing of priority diversions to the Regional Board Executive Officer? Yes ☒ No ☐

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F. Illicit Connections and Illicit Discharges (IC/ID) Elimination Program (Part 4.G)

1. Attach a copy of your agency's IC/ID Elimination Implementation Program (Part 4.G.1.a.).

The LACFCD's IC/ID Elimination Program Manual can be downloaded at www.lawatersheds.org

2. Attach a map of your storm drain system showing all permitted connections (if available), and the locations of all illicit connections and discharges that occurred last year (Part 4.G.1.b). If your agency has not completed this requirement, describe the status of the development of a baseline map, including an expected completion date.

Permitted and suspected illicit connections are stored in the Maintenance Management System (MMS) (database) and spreadsheets. This list is over 500 pages and can be retrieved upon request, but is too large to include in this report.

3. Describe your enforcement procedures for eliminating illicit discharges and terminating illicit connections.

Illicit Connections:

- Step 1) LACDPW's Land Development Division (LDD) receives reports of suspected connections (Gray Sheets) from LACDPW's Flood Maintenance Division (FMD).**
- Step 2) The Gray Sheets are entered or documented in the MMS, and unique equipment (ID) numbers are assigned.**
- Step 3) LDD inspectors are assigned the Gray Sheets for investigation.**
- Step 4) Investigate (attempt to identify the source of the drain) and confirm the responsible party for the illicit connection.**
- Step 5) Inform the owner of the property as to the existence of an illicit connection and request a meeting to discuss it.**
- Step 6) Inform the responsible party that they are required to terminate the illicit connection or face fines.**
- Step 7) Follow-up inspection within 10 days to enforce and/or ensure that the responsible party is complying with the requirements.**
- Step 8) If the illicit connection is not capped within 10 days, write a Notice of Violation (NOV) letter requesting resolution and describing in detail the consequences.**
- Step 9) If no action by property owner, the second letter is sent in 30 days of follow-up inspection, and the third in 60 days of the follow-up inspection.**

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Step 10) If no action by property owner after the third letter, the County Counsel is notified to pursue in litigation.

Step 11) The inspector documents and records inspection details and the resolution of the investigation in electronic development and permit tracking system (E-DAPTS)

Illicit Discharges:

The field staff immediately responds to reported spills and discharge, barricades the area, and contains any observed spills or discharges. The field staff then calls a vendor for immediate clean up and files a Hazardous Material Release Response (HMRR) report. If a responsible party of the spill is identified, he/she will be billed for the cleanup. Situations requiring formal enforcement (e.g., warning letter, NOV, referral to District Attorney, etc.) are referred to LACDPW's Environmental Program Division (EPD).

EPD follows the enforcement procedures for eliminating illicit discharges outlined in Section 9 in the implementation manual Volume V for Illicit Connections and Discharges.

4. Describe your record keeping system to document all illicit connections and discharges.

For Illicit Connections:

A report (gray sheet) is submitted to LDD for each suspected illicit connection. The illicit connections are entered into the MMS and unique equipment numbers are assigned. The data in MMS interfaces with E-DAPTS, which allows the LDD inspectors to access the equipment number and other pertinent information to conduct investigation. Once the investigation is complete, E-DAPTS interfaces with MMS with the details of the investigation and resolution.

For Illicit Discharges:

After responding and cleaning up of spills/discharges, the field staff will document the discharge and gather any relevant information on a HMRR. The information is entered into the MMS.

Illicit discharge complaints and referrals to EPD are initially documented in the HMS database program, and an inspection/investigation is created. If the discharge is determined not to be in our jurisdiction, we will refer the complaint to the appropriate agency. If an illicit discharge is discovered during the inspection/investigation and the discharge ceases with no further follow up actions required, the complaint is closed out. If the discharge requires further follow-up action(s) by EPD, a follow up will be done. A violation will be created and/or a Notice will be issued.

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5. What is the total length of open channel that your agency owns and operates? **481miles**
6. What length was screened last year for illicit connections? **415miles**
7. What is the total length of closed storm drain that your agency owns and operates? **3560 miles**
8. What length was screened last year for illicit connections? **625 miles**
9. Describe the method used to screen your storm drains.

FMD personnel (Underground Crew) inspect both underground storm drains as well as open channels. Each time the crews locate an illicit connection they report it by taking a photograph and filling out a report (gray sheet) that describes its location, size, type of pipe, and other valuable information. This information is then forwarded to LDD for further investigation.

The FMD Underground Crews have a set of routines scheduled on a 1, 3, and 6 year cycle: 1 year cycle for drains with high probability of illegal connection, 3 year cycle for drains within industrial and commercial areas where illicit connection is most likely, and 6 year cycles for residential areas where illegal connection is least likely.

10. Provide the reporting data for illicit connections as suggested in the following table (you may submit a spreadsheet from your database that contains the information).

Year	Total # reported/ identified	Total # investigated	# that conveyed exempt discharges or NPDES permitted	# that conveyed illicit discharges that were terminated	# that were removed	# that resulted in enforcement action	# that resulted in <i>other</i> actions
01/02	494	494	398	24	24	0	0
02/03	1563	1410	85	53	70	112	42
03/04	1375	1247	89	81	64	12	56
04/05	1352	1203	523	40	98	15	18
05/06	1079	934	819	49	35	10	21
06/07	479	479	226	21	20	0	36
07/08	775	677	426	21	12	0	218
08/09	534	346	262	19	21	0	46
09/10	409	354	219	30	37	0	68
10/11	99	97	68	5	12	0	12
11/12	170	127	95	15	35	0	9

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11. Explain any other actions that occurred in the last year.

On occasion, LDD will close and return the file to FMD to take action, such as constructing a bulk head (brick seal), removing the connection, or for additional information required to perform the investigation.

12. What is the average time it takes your agency to initiate an illicit connection investigation after it is reported?

21 days

- a) Were all identified connections terminated within 180 days?

Yes ☒ No ☐

- b) If not, explain why.

N/A

13. Provide the reporting data for illicit discharges as suggested in the following table (you may submit a spreadsheet from you database that contains this information).

Year	Total # reported	Total # that were discontinued/ cleaned up voluntarily through enforcement and the source was identified	# that were cleaned up but the source could not be identified	# that resulted in no evidence of discharge	# that were determined to be conditionally exempt	# that were exempt or in compliance and the source identified	# that resulted in enforcement action
01/02	495	102	52	5	3	3	1
02/03	631	137	131	0	1	1	1
03/04	265	146	20	44	4	0	0
04/05	203	136	34	59	2	2	6
05/06	204	153	31	37	0	0	11
06/07	221	162	42	16	0	0	9
07/08	223	138	78	7	0	0	11
08/09	151	102	36	12	0	1	0
09/10	88	53	6	29	0	0	0
10/11	51	48	3	0	0	0	0
11/12	87	85	2	14	0	0	0

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14. What is the average response time after an illicit discharge is reported?

**2 hours to less
than one
business day**

a) Did any response times exceed 72 hours?

Yes ☐ No ☒

b) If yes, explain why.

N/A

15. Describe your agency's spill response procedures.

Spill response procedures are described in the illicit connections/illicit discharge program manual dated June 2002, which can be downloaded at www.lawatersheds.org; and the Illicit Discharge Response Procedure Manual and Training Code 15 of the Tailgate Codes and Topics, both available upon request.

Field staff responds to any spills immediately after being notified. The staff's role is to assess and contain the spill. Our staff will ensure that the area in question is secured, cleaned, and all unauthorized people are kept away. A vendor from an approved list is called in to do the actual cleanup. Our staff will document the spill and gather any relevant information on HMRR. This information is then entered into a database for tracking.

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16. What would you do differently to improve your agency's IC/ID Elimination Program?

Identifying the responsible party for an illicit connection can be very difficult. The use of GPS systems, laser distance finders, and compasses would be helpful in narrowing down where the connection originates. A small tracking device that can be sent through the connection to the point of origination would also be an ideal tool. Providing such investigative equipment can enhance the Inspectors' effectiveness in identifying the illicit drains and eliminating illicit discharges.

Instituting training sessions in a joint environment with FMD and LDD that integrate knowledge of current software applications (e-DAPTS, and MMS data entry system(s)) with current procedures on field reporting, documentation, etc. This sharing of knowledge and deeper integration of procedures and technologies can be beneficial to encourage innovative thinking of ways to enhance the program and the processes, such as maximizing any untapped capabilities of existing software to further improve the effectiveness and efficiency of the program.

Increasing the number of personnel (inspectors and clerical staff) would be beneficial in meeting the sometimes challenging deadlines required for the program. The implementation of such improvements will be greatly limited by funding constraints, which are even more severe with the current economic situation.

17. Attach a list of all permitted connections to your storm sewer system.

The list is over 500 pages and can be retrieved upon request, but is too large to include in this report.

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V. Monitoring

Briefly describe any storm water monitoring activities that are not required by Order No. 01-182 that your municipality conducted, participated in, or received funding to conduct in the past fiscal year. These activities should correspond with the dollar amount you listed in Table 2.

- Dominguez Gap Wetlands Project (partial Prop. 13 CALFED Funded Project) - As required by the State Grant, quarterly monitoring has been conducted by LACFCD and will continue through 2013. Water quality monitoring will continue to determine the efficiency of the wetlands at removing pollutants. Five more quarterly laboratory analysis reports are due to Regional Board by the October 2013 deadline.
- Los Angeles River Watershed-wide Monitoring Program (LARWMP) – Led by the Council for Watershed Health and initiated in 2008, this regional monitoring program was designed to answer basic questions about the health of the watershed, such as is it safe to swim in popular recreational areas, and is the fish safe to eat. As a collaborative effort, the LACFCD, along with other stakeholders continue to provide the support and resources needed to implement this program. The resulting program is a multi-level monitoring framework that combines probabilistic and targeted sampling for water quality, toxicity, and bio-assessment and habitat condition (Council for Watershed Health, 2011). The LACFCD's main contribution is focused on bio-assessments, which entails the collection of macro-invertebrates, calculation of IBI score, and assessment of the bio-diversity of the channel/stream. In addition to sampling for benthic macroinvertebrates, measurements of other stream characteristics, including the chemical (pH, water temperature, dissolved oxygen, conductivity, turbidity, and hardness) and physical/habitat (PHab) conditions of the stream are also being conducted at each monitoring reach. Results are expected to be compiled and analyzed on a five-year basis to make comprehensive watershed-wide assessments for compliance with receiving water objectives, trends in water quality, impacts to beneficial uses, and health of the biological community.
- San Gabriel River Regional Monitoring Program (SGRRMP) - Similar to the program mentioned above, the SGRRMP is being led by the Council for Watershed Health and was designed to answer basic questions about the health of the watershed, such as is it safe to swim in popular recreational areas, and is the fish safe to eat. Since 2005, the LACFCD and other stakeholders have been combining resources to help implement this multi-level monitoring effort that combines probabilistic and targeted sampling for water quality, toxicity, and bio-assessment. The LACFCD's main contribution to this program is focused on bio-assessments, which entails the collection of macro-invertebrates, calculation of IBI score, and assessment of the bio-diversity of the channel/stream. In addition to sampling for benthic macroinvertebrates, measurements of other stream characteristics, including the chemical (pH, water temperature, dissolved oxygen, conductivity, turbidity, and hardness) and physical/habitat (PHab)

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conditions of the stream are also being conducted at each monitoring reach. According to the Council for Watershed Health, initial results illustrated clear patterns between the upper (undeveloped) portions and lower (developed) portions of the watershed in terms of water quality and habitat condition. In 2010, the Council for Watershed Health published the San Gabriel River State of the Watershed Report detailing the overall health of the watershed, trends in water quality, compliance with water quality objectives, and impacts to beneficial uses. The report is available on the Council for Watershed Health website. Data from continued monitoring efforts will be used to help identify areas where expanded monitoring or special studies should be focused.

- Sun Valley Park Drain and Infiltration Project – The LACFCD conducted post-project storm sampling within the Sun Valley Park Project to determine the efficiency of the BMP at removing pollutants from the Sun Valley drainage area of the Los Angeles River Watershed. Review and analysis of data has been conducted for comparison of inlet and outlet concentrations and loads for each sampled storm event from 2011-2012. More in depth analysis to date is currently in progress and includes statistical analyses, correlations, and volume reductions. Results of the analyses are expected to be reported to the stakeholders in January 2013.
- LACFCD Low Flow Diversion Projects – The LACFCD operates and maintains 20 low flow diversions (LFDs) in Santa Monica Bay, including three in Marina del Rey, which divert dry weather urban runoff into the sanitary sewer system. The LACFCD created a LFD task force made up of key staff from several divisions to recommend management actions to optimize operations. In 2011, the LFD task force implemented a pilot program at three locations to evaluate potential improvements to the data gathering and reporting equipment at the LACFCD's LFDs. This program was highly successful and the LACFCD is currently moving forward with efforts to implement these improvements at all of its LFDs, with initial phase work expected to begin in early 2013.
- Marie Canyon Water Quality Improvement Project – In an effort to help determine future management actions, such as prioritizing and optimizing operations, the LACFCD collected dry-weather samples of pre- and post-treatment flows at this site. A quarterly monitoring program established at this site has demonstrated the facility has been effectively removing bacteria from incoming flows. The monitoring has also documented elevated bacteria levels in water near the system outlet, even though 100% of discharged flows are effectively disinfected.
- Strathern Wetlands Park Project Baseline Monitoring – The LACFCD conducted wet weather sampling during the 2011-12 storm season at four locations within the Sun Valley watershed area that will ultimately discharge into the proposed Strathern Wetlands Park project. The purpose of the monitoring is to establish baseline water quality and flow conditions prior to

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project construction. Baseline monitoring will continue to be conducted until the start of construction.

VI. Assessment of Program Effectiveness

- A. Attach a summary of the effectiveness of your storm water management program. This summary should include, at a minimum, the following:
1. An assessment of your agency's compliance with permit requirements, based on your responses to the questions in this form;

The LACFCD believes it is in compliance with the requirements of Order 01-182.

Please refer to Attachments IV-A3f1 [E] and VI-A1 [I] for program assessments of the PIPP.

2. Descriptions of any evaluation methods that your agency uses to determine the effectiveness of your storm water management program;

Illicit Connection and Illicit Discharge Elimination Program

Program effectiveness can be evaluated using quantitative methods such as the year to year comparison of the number of illicit connections and illicit discharges reported/investigated/resolved (see Part IV, Items F10 and 13). Previous years' data had revealed a general downward trending in the number of illicit connections from to year, but there was an increase from 2010-11 to 2011-12. The data for illicit discharges tended to fluctuate from year to year, making it more challenging to determine effectiveness.

Illicit connection data can fluctuate from year to year, depending on the predominant land use of the drainage area serviced by the particular storm drains being inspected in a given year. For example, the number of illicit connections may increase if the associated land use is High Density Single Family Residential. However, an illicit connection from a Heavy Industrial land use occurs much less frequently, but is likely to have a greater impact on water quality. In the case for this reporting year, more illicit connections were reported to LACFCD catch basins. As more illicit connections are eliminated from our main lines, coupled with past experiences of finding illicit connections to the back of catch basins, field staff are proactively screening for illicit connections to our catch basins.

An increase in reported illicit discharges can be a result of a robust reporting program or actual increase in the number of incidents. A decrease can be due to either an actual change in behavior or a less effective reporting program. With extensive outreach, advertising

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and branding of the 888-CLEANLA hotline and website, the LACFCD believes any decrease in illicit discharges is more likely the result of change in polluting behaviors through the efforts of management and staff in implementing the stormwater program (reporting, investigation, and resolution; public education and outreach; etc.), rather than a decrease in reporting.

Measuring program effectiveness can be challenging in choosing meaningful metrics, properly evaluating the data, making assumptions and drawing conclusions, taking into account other factors that may affect the results. In light of some of the known weaknesses of choosing certain measures, the LACFCD should explore the use of other metrics to measure program effectiveness.

Public Information and Participation Program

Program effectiveness is evaluated using quantitative and qualitative methods such as tracking of hotline call levels, hits on the www.888CleanLA.com website, collection levels of household hazardous waste and Electronic Waste (E-Waste), and used motor oil collected, trash measurement data, and anecdotal information gathered from program participants. We continue to implement an innovative and proactive stormwater pollution prevention public education program (See Attachment IV-A3f1 [E] and Attachment VI-A1 [I]).

3. A summary of the strengths and weaknesses of your agency's storm water management program;

Strengths

Meeting Permit requirements is the primary strength of the LACFCD's stormwater management program. A committed staff willing to learn and "do the right thing" is a key component to success.

Public Information and Participation Program

(See Attachment VI-A1 [I] for more information)

Proactive outreach to the County's and cities' elected officials continues to reinforce the importance of stormwater issues.

The primary strength of LACFCD's PIPP is the expertise of LACDPW staff to coordinate paid media buys, media relations efforts, co-permittee technical assistance, and corporate partnerships in a proficient and cost-effective manner, to encourage and facilitate pollution prevention behaviors by County residents. For example, the partnership between LACDPW and O'Reilly stores offered Do-It-

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Yourselves a convenient and eco-friendly option to recycle used oil filters at stores located throughout the County.

LACFCD continued to develop and implement a creative multimedia campaign that included broadcast of stormwater pollution prevention messages through the following media outlets: radio; television; billboards; newspapers; video aired on Metro buses and at gas stations. The campaign messages reached our target audiences and achieved an increase in advertising awareness for the promotion of used motor oil and oil filter recycling among the General Market.

The campaign continued to encourage a reduction in littering behaviors such as general littering and dropping a cigarette butt on the ground through the above-mentioned media campaigns. During this reporting period, LACDPW did not conduct a resident survey.

Weaknesses

Public Information and Participation Program

(See Attachment VI-A1 [I] for more information)

Despite their success, the PIPP and other programs continue to be affected by limited funding availability. Although Permit requirements are being met, additional funding will enable us to conduct a more robust program, such as implementing a more comprehensive countywide campaign through consistent media flighting to address all of the types of littering addressed in the numerical behavior change targets approved by the Regional Board in May 2002.

During this reporting period, a new agreement for the Environmental Defenders program did not resume as planned due to another protest of the selected contractor for this program. The delay in approval of a contractor to implement this program decreased the numbers of students and teachers reached with stormwater pollution prevention messages. LACDPW expects the Environmental Defenders program will commence environmental education to students by winter 2013.

The Los Angeles media market continues to be a highly competitive and expensive media market. The arrival of new residents to the County each year and the cultural diversity of the target audiences continues to provide two additional ongoing challenges to reach these residents and increase awareness about stormwater pollution to achieve the desired behavior change among these target audiences.

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4. A list of specific program highlights and accomplishments;
- The LACFCD is implementing telemetry upgrades to improve the NPDES Monitoring Program. Five of the seven Mass Emission Sites will be upgraded including Ballona Creek, Coyote Creek, Dominguez Channel, Los Angeles River, and Malibu Creek. The telemetry system will also be utilized at three new Malibu Creek Tributary sites. The telemetry systems will provide for more efficient water quality monitoring. As a result, the telemetry system will allow LACFCD staff to remotely collect flow data and water quality data such as pH, turbidity, dissolved oxygen and temperature. The implementation of the telemetry system is scheduled to be completed by spring of 2013
 - The LACFCD continued to convene its low-flow diversion task force made up of key staff from several divisions to recommend management actions to optimize operations. This task force completed a pilot project in June 2010 to test new technologies for low-flow diversion monitoring that would be used to better operate the system and to characterize the sources of dry weather flows. This pilot project has been successful and the LACFCD is currently pursuing a project to implement these improvements at all of its LFDs.
 - The LACFCD contributed over \$250,000 towards the Malibu Surfrider Beach Epidemiological study led by Southern California Coastal Water Research Project. The study is designed to evaluate the risk of swimming-related illnesses at nonpoint source polluted beaches, whether these illnesses are correlated to traditional fecal bacteria indicators, and whether there are alternative assessment tools that are more predictive of health risk. Data collection and laboratory analysis have been completed, and analysis of the data and reporting are currently ongoing. The study is expected to be completed by the end of 2012.
 - Design plans were completed for construction of a rubber dam in Santa Monica Canyon Channel to increase capacity of a new City of Los Angeles low-flow diversion. Construction will be overseen by the LACFCD. Construction of Phase 1 began in March 2012, which included fence replacement and concrete work. Phase 2, which involves the installation of the rubber dam, began in July 2012. Construction was halted due to delays from construction of the low flow diversion and sewer line upgrades and right-of-way/easement issues. We expect rubber dam installation to begin again in spring 2013. We expect the whole system to be operational by 2014 when the City of Los Angeles completes the low flow diversion and sewer line upgrades. The County of Los Angeles is funding the design and construction of

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this project that provides a service to the City of Los Angeles, who will own and operate the rubber dam. The LACFCD will maintain the rubber dam for a period of two years on behalf of the City under an agreement.

- **Currently in the design phase for the Oxford Retention Basin Multiuse Enhancement Project. The project will provide flood risk mitigation, water quality improvements, removal of potentially contaminated sediment, habitat improvements, as well as aesthetic and recreational enhancement. The phase 2 environmental assessment and geotechnical investigation conducted at the project site found elevated levels of contaminants in the banks of Oxford Basin, likely from legacy pollution from the former use of the site as a landfill. The assessment also looked at available options for water quality improvements and sediment control. Accordingly, the project design and construction plans were modified to minimize local disruption while restoring habitat and native vegetation. The project is scheduled for construction in 2014.**
- **Completed the Lake-Alameda Landscaped Access Path Project. The project is located in the City of Burbank and will provide native landscaping with a pedestrian path along the Burbank-Western Channel. Construction of the project was completed in January 2012.**
- **Completed Tujunga Wash Ecosystem Restoration Project, which created a new naturalized stream that meanders along the west bank of a 3/4-mile stretch of the channel between Vanowen Street and Sherman Way. The project greatly enhances the environment by providing more than 10 acres of open space in an area that significantly lacks this resource. The project restored riparian habitat along the banks of the stream and includes pedestrian walkways, seating areas, native and drought-tolerant landscaping, and new entryways. The project also replenishes groundwater, enhances water quality, and serves as a model for a sustainable and healthy stream system in a dense, urban setting. The \$7 million project was funded by the LACFCD (25%) and the Corp of Engineers (75%). Construction was completed in July 2012. (See Attachment VI.A.4)**
- **Completed the design plans for the Los Angeles River Headwaters Project. The project will construct recreational trails along a 1.25 mile stretch of the Los Angeles River between Owensmouth Avenue and Mason Avenue in the City of Los Angeles. Enhancements will include native landscaping, rest area amenities, educational signage, pedestrian bridges over Brown's Creek and Kelvin Channel, and rain gardens.**

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Construction is scheduled to begin in early 2013 and completed in 2014. (See Attachment VI.A.4)

- **Continued working on the Strathern Wetlands Park Project. The project proposes convert a 46-acre, former construction debris landfill into a multi-use facility. The project proposes to capture stormwater runoff in a detention pond, convey the water through constructed wetlands for water quality treatment, and pump the treated flows to the adjacent Sun Valley Park for infiltration into existing infiltration basins for groundwater recharge. The project will also enhance native vegetation, create recreational trails, and incorporate educational signage. A community meeting was held in October 2011 to present the Final Project Concept. The project is currently in the design phase. The project is scheduled to begin construction in summer 2014. (See Attachment VI.A.4)**
 - **The Comprehensive Watershed Management Modeling System (WMMS) has been completed. It will be used to identify cost-effective pollution reduction projects to address urban runoff and stormwater quality. WMMS covers all watersheds included in the permit and provides an effective tool for long term TMDL implementation and overall watershed management. In particular, it can be effectively used for watershed- or local-scale water quality improvement plan development. The United States Environmental Protection Agency partnered in the development of WMMS. Using the WMMS, Water Quality Design Storm study was conducted. The 85th percentile storm has been found to be the maximum extent practical storm for which BMPs should be sized for TMDL attainment. Results were presented to Regional Board staff, who expressed intent to consider the study results for the upcoming Los Angeles County MS4 permit renewal.**
 - **Please refer to Attachment IV-A [I] for a list of program highlights and accomplishments for PIPP.**
5. A description of water quality improvements or degradation in your watershed over the past fiscal year;
- **Refer to the Los Angeles County 2011-2012 Stormwater Monitoring Report published August 14, 2012, <http://ladpw.org/wmd/NPDES/2010-11tc.cfm>, for NPDES Municipal Permit required monitoring results.**
6. Interagency coordination between cities to improve the storm water management program;

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- Interagency coordination between the LACFCD, County and the cities is facilitated through the EAC and WMC meetings. This has been effective in broadening communication between Permittees. Additionally, coordination of the PIPP is enhanced by quarterly meetings hosted by the LACFCD.
- Interagency coordination of the 1-888-CLEAN-LA environmental hotline afforded turnkey coordination of responses to illicit discharge complaints and directed calls such as illicit discharge complaints to a representative in the appropriate jurisdiction so corrective action can be taken. Also, the LACFCD updated the co-permittee's contact information that is accessible to the general public and residents by visiting the CleanLA.com website.
- The LACFCD provided co-permittees with stormwater collateral and technical support in the development of public outreach campaigns for city residents, as well as in support of various watershed management groups.

7. Future plans to improve your agency's storm water management program; and

- To better understand the relative urban runoff contribution to receiving waters, the LACFCD is implementing a pilot Automated Regional Stormwater Monitoring Program, an automated telemetry system for real-time stormwater monitoring of flood control channels. The system will monitor pH, turbidity, dissolved oxygen, and temperature.
- LACFCD will work with Permittees to initiate integrated watershed planning as part of the new Permit adopted by the Regional Water Board on November 8, 2012.

8. Suggestions to improve the effectiveness of your program or the County model programs.

See Attachment VI-A1 [I] for PIPP.

B. On a scale of 1 to 10 (10 being full implementation of requirements by their deadlines), rate your municipality's level of compliance with Order No. 01-182.

10- The LACFCD has implemented all permit requirements.

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- C. List any suggestions your agency has for improving program reporting and assessment.

None at this time, although the LACFCD looks forward to discussing this issue with Regional Board staff and co-permittees as part of the process of implementing the next permit.

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VII. Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility, of a fine and imprisonment for knowing violations.

Executed on the ____ day of _____, 20____,

at _____.

Printed Name _____ Title _____

(Signature) _____

Signature by duly authorized representative